

HENDRIX
COLLEGE
Campus Sustainability
Fund Committee

William O'Brochta, Chair and Chief Sustainability Officer
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Project Completion Report

This Project Completion Report must be submitted within one month of the end of the project along with a final Project Status Report. E-mail the completed forms to CSFC@Hendrix.edu. Along with these forms, the CSFC requests that you submit pictures of the project before, during, and after completion as well as all documentation you used during the project.

Project Title: Replacing Black Plastic Condiment Cups

Initial Application Date: 10/8/2015

Today's Date: 1/22/2015


Primary Applicant Name: Kaylee Davis

Total Funding Amount: \$802.75

Final Project Balance: \$233.42

Actual Completion Date: 12/3/2015

Please place your electronic signature in the box below certifying that the project was completed in accordance to the Project Application (with any changes as submitted) and that a management plan exists to maintain the project throughout its life.

	1/22/2016
Signature	Date

1. Final Project Summary

This project's intention was to replace the black plastic condiment cups used in the cafeteria with 1,800 reusable metal condiment cups. A pilot study (duration of one month) was employed to test the viability of the project. During this period 300 metal cups and 4 hold down grids were purchased and integrated into the cafeteria system. The metal cups were not able to hold up to the pressure of the industrial dishwasher; consequently many had started to split. The hold down grids were ineffective in allowing the proper sanitization of the cups. Additionally, many of the cups were lost. The parties

involved agree to phase out the black condiment cups by using clear biodegradable cups (which will gradually also be phased out) and purchasing/making more visible the small “monkey bowls” typically used for desserts. No other funding for the committee is required; dining service absorbed the cost for the new bowls into their budget allocation for new dishes.

2. Plan Versus Actuality

Though our plan to replace the plastic condiment cups with metal condiment cups did not work, our larger goal of eliminating an unnecessary waste did (see above for more details).

3. Lessons Learned

I learned that sometimes it just takes a small push to get change to happen. Though many people wanted to eliminate the waste of the condiment cups, nobody wanted be the initiator of the change. I also learned that even when the plan you initially set out to accomplish doesn’t go through there can still be a successful and happy end.

4. Metric Comparison

Please complete the estimated and actual tables below. You submitted the estimated table with your Funding Application.

Estimated Table

Total Funding Requested (\$)	\$802.75
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	Input Estimated Annual Savings	Annual Calculated Cost Savings (\$)	Annual Calculated GHG Savings (kg CO ₂ e)
Electricity (kWh)	0	0	0
Water (kgal.) [@]	-61.425	-156.63	-0.246
Gasoline (gal.)	0	0	0
Waste (lbs.)	549	66.61	69.47
	Annual Savings	66.61+2250* - 1312.50 ⁺ - 156.63=847.48	69.224
	Life (years)	5	5
	Annual Savings (times) Project Life	4237.40	346.12

ROI (%)	428
Payback Period (Yr.)	0.95
Students Affected (#)	1400

@ assuming .39 gallons per rack and 13 cups per rack

*\$75/week (times) 30 weeks of operation in a year

+Half an hour per day for labor at \$10/hour plus \$2.50 for benefits

Actual Table:

Total Funding Allocated (\$)	233.42
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	Input Estimated Annual Savings	Annual Calculated Cost Savings (\$)	Annual Calculated GHG Savings (kg CO ₂ e)
Electricity (kWh)	0	0	0
Water (kgal.) [@]	-61.425	-156.63	-0.246
Gasoline (gal.)	0	0	0
Waste (lbs.)	549	66.61	69.47
	Annual Savings	66.61+2250* - 1312.50 ⁺ - 156.63=847.48	69.224
	Life (years)	5	5
	Annual Savings (times) Project Life	4237.40	346.12

ROI (%)	1,715
Payback Period (Yr.)	0.27
Students Affected (#)	1400

@ assuming .39 gallons per rack and 13 cups per rack

*\$75/week (times) 30 weeks of operation in a year

+Half an hour per day for labor at \$10/hour plus \$2.50 for benefits